

## Koch, Kristine

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**From:** Cohen, Lori  
**Sent:** Friday, September 19, 2014 11:40 AM  
**To:** Margaret Kirkpatrick (margaret.kirkpatrick@nwnatural.com)  
**Cc:** jim.mckenna@verdantllc.com; Wyatt, Robert; Koch, Kristine; Yamamoto, Deb; Muza, Richard  
**Subject:** Portland Harbor - natural recovery areas  
**Attachments:** PortHarborSiteDepositionalAreas.xlsx

Hi Margaret,

This is a note to follow up on the information I provided at last Friday's Environmental Law and Education Center conference relative to natural recovery at the Portland Harbor site. The information I provided was based on an initial discussion of deposition based on bathymetry in the Study Area and was an underestimate. I apologize for any confusion on this.

EPA believes there are some natural recovery areas in the river. CDM Smith conducted the analysis in the attachment based on 10'x10' pixels of bathymetric change, and shows that there are 39-47% depositional areas in the study area. The chart indicates that if you look only within the Sediment Decision Units (SDUs or areas where EPA expects to propose remedial action), the percentage drops to 32-40%. I understand the LWG has all of the backup information used to prepare this chart.

As EPA has shared with the LWG, the main difference between how EPA views natural recovery areas compared to the LWGs view as presented in its draft FS, is that the LWG includes areas of neutral deposition (transitional areas) as deposition and EPA does not. EPA includes areas considered to be depositional based on existing bathymetric data (not a model).

The project team will be reviewing and discussing this in more detail as part of the FS.

Lori